


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> NBU 1022-1814BS		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES		
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES		
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.				<b>7. OPERATOR PHONE</b> 720 929-6587		
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217				<b>9. OPERATOR E-MAIL</b> mary.mondragon@anadarko.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML 22973		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	213 FSL 292 FEL	SESE	18	10.0 S	22.0 E	S
<b>Top of Uppermost Producing Zone</b>	1690 FSL 580 FEL	NESE	18	10.0 S	22.0 E	S
<b>At Total Depth</b>	1690 FSL 580 FEL	NESE	18	10.0 S	22.0 E	S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 580		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 203		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 990		<b>26. PROPOSED DEPTH</b> MD: 9256 TVD: 8900		
<b>27. ELEVATION - GROUND LEVEL</b> 5215		<b>28. BOND NUMBER</b> 22013542		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Permit #43-8496		
<b>ATTACHMENTS</b>						
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
<b>NAME</b> Danielle Piernot		<b>TITLE</b> Regulatory Analyst		<b>PHONE</b> 720 929-6156		
<b>SIGNATURE</b>		<b>DATE</b> 05/13/2009		<b>EMAIL</b> danielle.piernot@anadarko.com		
<b>API NUMBER ASSIGNED</b> 43047504280000		<b>APPROVAL</b>  Permit Manager				

# T10S, R22E, S.L.B.&M.

Found 1977  
Brass Cap and  
T Post. Pile  
of Stones.

S89°44'W 73.46' (G.L.O.)

S89°44'59"W - 2203.36' (Meas.)

S89°44'49"W - 2643.88' (Meas.)

N0°18'W 39.88' (G.L.O.)  
N00°16'49"W - 2633.57' (Meas.)

N0°19'W 40.15' (G.L.O.)

LOT 1

LOT 2

LOT 3

LOT 4

NBU 1022-1814BS (Surface Position)  
NAD 83 LATITUDE = 39.942244° (39° 56' 32.080")  
LONGITUDE = 109.474096° (109° 28' 26.745")  
NAD 27 LATITUDE = 39.942279° (39° 56' 32.204")  
LONGITUDE = 109.473412° (109° 28' 24.283")

NBU 1022-1814BS (Bottom Hole)  
NAD 83 LATITUDE = 39.946298° (39° 56' 46.674")  
LONGITUDE = 109.475122° (109° 28' 30.439")  
NAD 27 LATITUDE = 39.946333° (39° 56' 46.798")  
LONGITUDE = 109.474438° (109° 28' 27.976")

Found 1991  
Aluminum Cap,  
Pile of Stones.

Found 1991  
Aluminum Cap,  
Pile of Stones.

Found 1977  
Brass Cap in  
Pile of Stones.

Found 1991  
Aluminum Cap,  
Pile of Stones.

18

**WELL LOCATION:  
NBU 1022-1814BS**

ELEV. UNGRADED GROUND = 5215.3'

Bottom  
of Hole

580'

1690'

Well Surface  
Position

292'

213'

Found 1991  
Aluminum Cap,  
Pile of Stones.

N00°00'21"E - 2641.25' (Meas.)  
NORTH 40.02' (G.L.O.)

Found 1991  
Aluminum Cap,  
Pile of Stones.

13.12 (G.L.O.)

20.01 (G.L.O.)

S89°32'W 33.13' (G.L.O.)

N89°53'07"W - 2644.25' (Meas.)  
N89°54'W 40.07' (G.L.O.)

## NOTES:

- ▲ = Section Corners Located
- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- The Bottom of hole bears N11°00'56"W 1504.87' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**Kerr-McGee  
Oil & Gas Onshore, LP**

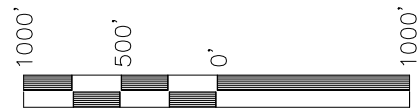
1099 18th Street - Denver, Colorado 80202

**NBU 1022-1814BS  
WELL PLAT**

1690' FSL, 580' FEL (Bottom Hole)

NE ¼ SE ¼ OF SECTION 18, T10S, R22E,  
S.L.B.&M. UTAH COUNTY, UTAH.

CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182



SCALE

## SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 362251  
STATE OF UTAH

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 11-25-08	SURVEYED BY: M.S.B.	SHEET <b>2</b> OF 13
DATE DRAWN: 01-08-09	DRAWN BY: E.M.S.	
SCALE: 1" = 1000'	Date Last Revised: 01-26-09	